EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

2.   Authorization for this examiner's amendment was given in a telephone interview

with Steven Bach (Reg. No. 46,530) on 3/19/2012.

AMENDMENTS TO THE CLAIMS

8.   Claims 1, 6, 9, 12 and 13 have been amended as follow:

        1.   (Currently Amended) A computer system for performing grid

computing with a plurality of computers connected through a network, the

computer system comprising:

        a center server for requesting the plurality of computers on the network to

execute a job; and

        a process server, which is one of the plurality of computers, for executing

the job in response to a request from the center server;

    wherein the center server comprises:

                a scheduler section which assigns the job to be executed to the

        process server and issues a job execution request; and

an agent section which manages information about the process

server, receives the job execution request issued by the scheduler

section, and sends the job execution request to the process server to

which the requested job has been assigned, in a manner selected to

accommodate an access type of the process server_;

wherein the system comprises a plurality of process servers, and each of

the plurality of process servers is provided with a separate agent section, and the

plurality of process servers includes at least one server with a polling access type

and at least one server with a push access type.

6.   (Currently Amended) A server for scheduling jobs and requesting

execution of the jobs in a grid computing system, the server comprising:

a processor; and

a memory operably connected to the processor, and having encoded

thereon instructions executable by the processor, comprising[[;]]:

a scheduler section which assigns a job of the jobs to be executed to a

computer constituting the grid computing system and request the computer to

execute the job;

an agent section which manages information about the computer, receives

the request for execution of the job by the scheduler section on behalf of the

computer to which the job has been assigned, and provides a request for

execution of the job to the computer <u>to which the requested job has been</u>

<u>assigned</u>, in a manner selected to accommodate an access type of the computer<u>;</u>

wherein the ~~system~~ <u>computer</u> comprises a plurality of process servers,

and each of the plurality of process servers is provided with a separate agent

section [[.]]<u>; and</u>

<u>the plurality of process servers includes at least one server with a polling</u>

<u>access type and at least one server with a push access type.</u>

9. (Currently Amended) A server for scheduling jobs and requesting

execution of the jobs in a grid computing system, the server comprising:

a processor; and

a memory operably connected to the processor, and having encoded

thereon instructions executable by the processor, comprising [[;]] <u>:</u>

an agent section which manages information about capacity and operating

status of a computer constituting the grid computing system, relays

communication with the computer, and performs transmission and reception <u>of a</u>

<u>job request which has been assigned to the computer,</u> according to an access

type of the computer; and

a scheduler section which assigns, on the basis of the information

managed by the agent section , ~~a~~ <u>the</u> job ~~of the jobs~~ to be executed by the

computer, and requests the computer to which the job has been assigned to

execute the job through the agent section<u>; and</u>

wherein the ~~system~~ <u>computer</u> comprises a plurality of process servers,

and each of the plurality of process servers is provided with a separate agent

section [[.]]<u>;</u>

<u>the plurality of process servers includes at least one server with a polling</u>

<u>access type and at least one server with a push access type</u>.

12. (Currently Amended) A job execution control method using a process

server computer to schedule jobs and request execution of the jobs in a grid

computing system, comprising the steps of:

the computer assigning a job on the basis of capacity of a process server

constituting the grid computing system, stored in a storage, and executing a job

of the jobs, regardless of the access type of the process server;

the computer issuing a job execution request to the process server to

which the job has been assigned; and

the computer holding temporarily the issued job execution request and an

agent section of the computer sending the job execution request to the process

server to which the job has been assigned, according to the access type of the

process server<u>;</u>

wherein the ~~system~~ <u>process server</u> comprises a plurality of process

servers, and each of the plurality of process servers is provided with a separate

agent section [[.]]<u>; and</u>

the plurality of process servers includes at least one server with a polling

access type and at least one server with a push access type.

13. (Currently Amended) A computer program product, comprising a

computer readable non-transitory storage medium having encoded thereon:

computer instructions for storing in recording means and managing

information about a process server which constitutes a grid computing system

and executes a job;

computer instructions for assigning the job to be executed to the process

server on the basis of information about the process server and issuing a job

execution request; and

computer instructions for receiving the job execution request and sending

a request to the process server to which the requested job has been assigned, in

a manner selected to accommodate an access type of the process server;

wherein the ~~system~~ the process server comprises a plurality of process

servers, and each of the plurality of process servers is provided with separate

computer instructions for receiving the job execution request and sending a

request to the process server to which the requested job has been assigned in a

manner selected to accommodate an access type of the process [[.]]; and

the plurality of process servers includes at least one server with a polling

access type and at least one server with a push access type.

Examiner's Statement of Reasons for Allowance

6.   Claims 1 and 3-16 are allowed.

7.   The following is an Examiner's statement of reasons for the indication of
allowable subject matter: Claims 1 and 3-16 are allowable over the prior art of records
because the Examiner found neither prior art cited in its entirely, nor based on the prior
art, found any motivation to combine any of the prior arts.

8.   The reason for allowance for claims 1, 6, 9, 12 and 13 is "*...sends the job
execution request to the process server to which the requested job has been assigned,
in a manner selected to accommodate an access type of the process server ; wherein
the system comprises a plurality of process servers, and each of the plurality of process
servers is provided with a separate agent section, and the plurality of process servers
includes at least one server with a polling access type and at least one server with a
push access type...*" , along with other features, as cited in the independent claims 1, 6,
9, 12 and 13.

        The remaining claims, not specifically mentioned, are allowed for being
dependent upon claims mentioned above.

9.   Any comments considered necessary by applicant must be submitted no later
than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CAMQUY TRUONG whose telephone number is (571)272-3773. The examiner can normally be reached on 9:00am - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emerson C. Puente can be reached on (571)272-3652. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Camquy Truong/
Primary Examiner, Art Unit 2196